

ABSTRACT OF THE DISCLOSURE

A CDMA base station system having increased reliability is disclosed. The base station includes a channel card for modulating/demodulating a transmitted/received signal; a transmitting section for transmitting the signal outputted from the channel card; a receiving section for receiving a remote signal and sending the received signal to the channel card; and a radio frequency (RF) characteristic analyzer, to analyze characteristics of the transmitting section and the receiving section by monitoring output signals thereof and communicating a result to a base station processor. The base station also includes a first processor for interfacing among the channel card, the transmitting section, the receiving section, and the RF characteristic analyzer; a power level measuring device for measuring a power level of a final end of the base station and transmitting the power level to the base station processor; and a second processor for interfacing between the first processor and an exchange. Call quality can be improved by receiving an advanced alarm message before any problem occurs in the base station. Additionally, the RF characteristic analysis can be performed by the base station itself, without requiring separate measuring equipment.